

DoD PBFA Working Group Meeting NASA Advanced Air Mobility Mission

January 26, 2022



Strong Domestic (e)VTOL Industry Base





















Safe, sustainable, affordable, and accessible aviation for transformational local and intraregional missions



NASA Role to Address AAM Challenges

















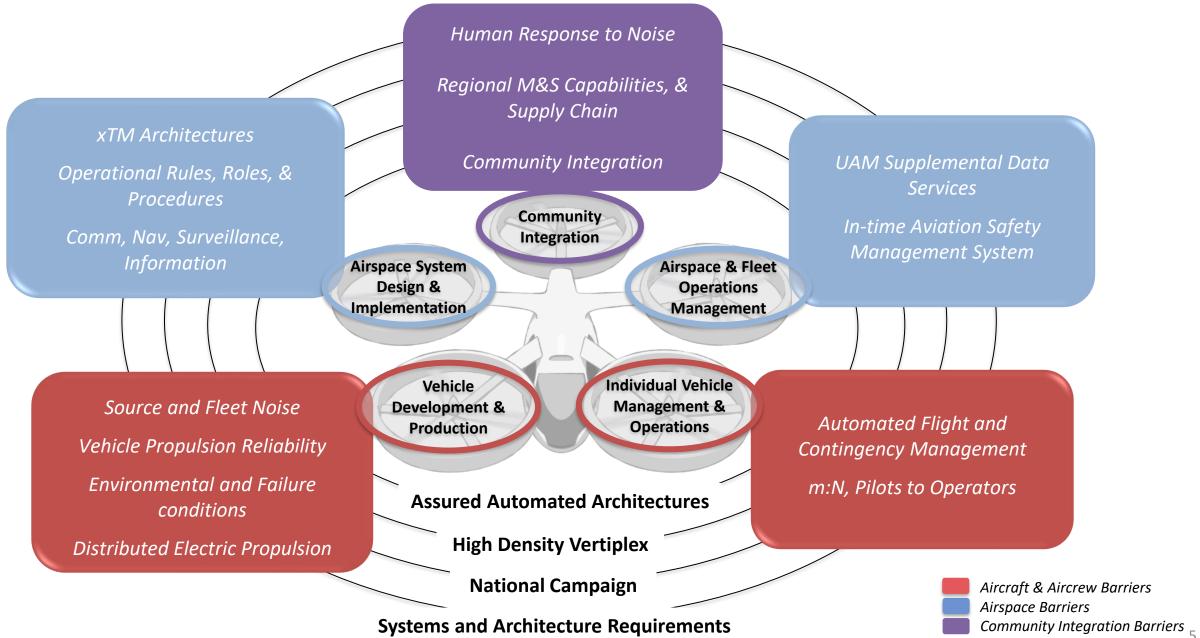


NASA and key partners are collectively taking on the most difficult mission challenges to enable industry to flourish by 2030

- Research and Development Portfolio
- AAM National Campaign Series
- Robust Ecosystem Partnerships

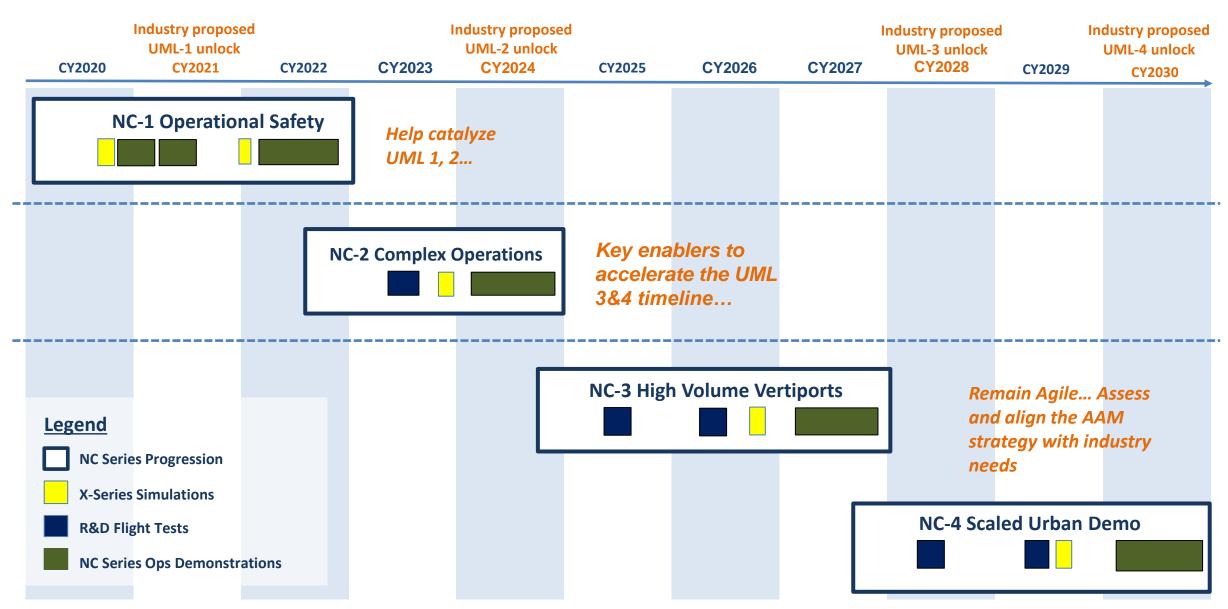


NASA AAM Mission Priorities





National Campaign Series support of the Industry Timeline





AAM Ecosystem Working Group (AEWG)

https://nari.arc.nasa.gov/aam-portal/

Align on a common vision for AAM

Learn about NASA's research and planned transition paths

Adopt a strategy for engaging the public on AAM



Collectively identify and investigate key hurdles and associated needs

Develop AAM system and architecture requirements

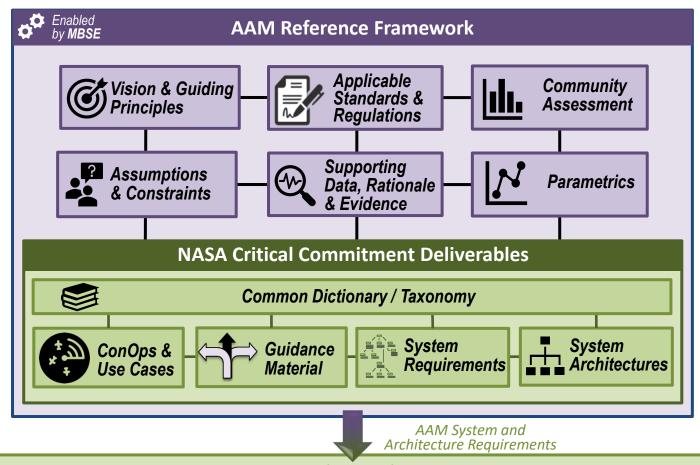
Support regulatory and standards development

Form a connected stakeholder community



NASA AAM MBSE Framework

NASA is using a Modelbased System
Engineering approach to
capture and organize the
elements of a medium
density/complexity
"Book of Requirements
and Guidelines (BoRG)"



AAM Mission Critical Commitment:

Based on validated operational concepts, simulations, analyses, and results from National Campaign demonstrations, the AAM Mission will <u>deliver aircraft, airspace, and infrastructure system and architecture requirements</u> to enable sustainable and scalable medium density advanced air mobility operations

